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(54) Title: DIAGNOSTIC ASSAY FOR MATRIX METALLOPROTEINASE 9 AND USE THEREOF

(57) Abstract

The present invention employs an improved immunoassay that detects all forms of MMP-9 (both the form complexed with TIMP and the "free" uncomplexed form) in biological samples including human serum and plasma. Using this immunoassay the present inventors have surprisingly discovered that a much higher degree of detection and quantification is possible than with prior assays. The assay is preferably a capture assay using two antibodies to MMP-9 that do not compete with each other (i.e., bind to distinct epitopes). The epitopes that are bound to must be exposed in both the complexed MMP-9 as well as the free MMP-9.